

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image forming apparatus, comprising:

a fixing unit that fixes a toner image transferred to paper, said fixing unit including a plurality of heaters;

a main power supply that provides a portion of the heaters with voltage;

a secondary power supply that provides another portion of the heaters with power charged by said main power supply; and

[[an]] a heat insulation member disposed between said fixing unit and said secondary power supply;

wherein

said secondary power supply is disposed below and in the neighborhood of said fixing unit; and

a wire of AWG 14 or thicker is used for connecting said secondary power supply and the heaters.

Claim 2 (Currently Amended): An image forming apparatus, comprising:

a fixing unit that fixes a toner image transferred to paper, said fixing unit including a plurality of heaters;

a main power supply that provides a portion of the heaters with voltage;

a secondary power supply that provides another portion of the heaters with power charged by said main power supply; and

[[an]] a heat insulation member disposed between said fixing unit and said secondary power supply;

wherein

said secondary power supply is disposed between a side face of a chassis of the image forming apparatus and said fixing unit, or on the surface of the chassis of the image forming apparatus; and a wire of AWG 14 or thicker is used for connecting said secondary power supply and the heaters.

Claim 3 (Previously Presented): An image forming apparatus, comprising:
a fixing unit that fixes a toner image transferred to paper, said fixing unit further having a plurality of heaters;
a main power supply that provides a portion of the heaters with voltage;
a secondary power supply that provides another portion of the heaters with power charged by said main power supply; and
a paper feed unit to which a plurality of paper feed trays for storing the paper are loadable;
wherein
said secondary power supply is disposed as a portion of said paper feed unit.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The image forming apparatus as claimed in claim 1, further comprising:
an insulation member disposed so as to cover said secondary power supply.

Claim 6 (Previously Presented): The image forming apparatus as claimed in claim 1, wherein

said secondary power supply comprises a secondary power supply circuit and a capacitor, and the capacitor is covered by said insulation member.

Claim 7 (Currently Amended): ~~[[An]]~~ The image forming apparatus having as claimed in claim 2, further comprising a secondary power supply, comprising which comprises:

a first connection terminal provided on the chassis of the image forming apparatus;
and

a second connection terminal provided on the secondary power supply,
wherein one of the first connection terminal and the second connection terminal are male and the other is female.

Claim 8 (Canceled).

Claim 9 (Previously Presented): The image forming apparatus as claimed in claim 1,
further comprising a discharging unit that discharges a charge stored in the secondary power supply when said secondary power supply is being maintained or replaced.

Claim 10 (Previously Presented): The image forming apparatus as claimed in claim 1,
further comprising a switch unit that switches on and off electrical connection between said secondary power supply unit and a ventilation unit for generating air flow in and around said secondary power supply.

Claim 11 (Canceled).

Claim 12 (Previously Presented): The image forming apparatus as claimed in claim 1, further comprising a cooling unit that cools an interior of said secondary power supply.

Claim 13 (Canceled).

Claim 14 (Previously Presented): The image forming apparatus as claimed in claim 2, further comprising:
an insulation member disposed so as to cover said secondary power supply.

Claim 15 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein
said secondary power supply further comprises a secondary power supply circuit and a capacitor, and the capacitor is covered by said insulation member.

Claim 16 (Previously Presented): The image forming apparatus as claimed in claim 2, further comprising:
a first connection terminal provided on the chassis of the image forming apparatus;
and
a second connection terminal that is electrically connected to said second power supply, said second connection terminal being connectable to said first connection terminal.

Claim 17 (Previously Presented): The image forming apparatus as claimed in claim 16,

wherein

said first connection terminal and said second connection terminal are detachable.

Claim 18 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

said secondary power supply further comprises:

a capacitor; and

a discharging unit that discharges a charge stored in said capacitor when said secondary power supply is being maintained or replaced.

Claim 19 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

said secondary power supply further comprises:

a capacitor of a high capacity; and

a switch unit that switches on and off a ventilation unit for generating air flow in and around said secondary power supply.

Claim 20 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

a wire of 14 or more in AWG size is used for connecting said secondary power supply and the heaters.

Claim 21 (Previously Presented): The image forming apparatus as claimed in claim 2,
wherein

said secondary power supply further comprises a cooling unit that cools an interior of
said secondary power supply.

Claim 22 (Previously Presented): The image forming apparatus as claimed in claim 3,
further comprising:

an insulation member disposed between said fixing unit and said secondary power
supply.

Claim 23 (Previously Presented): The image forming apparatus as claimed in claim 3,
further comprising:

an insulation member disposed so as to cover said secondary power supply.

Claim 24 (Previously Presented): The image forming apparatus as claimed in claim 3,
wherein

said secondary power supply further comprises a secondary power supply circuit and
a capacitor, and the capacitor is covered by said insulation member.

Claim 25 (Previously Presented): The image forming apparatus as claimed in claim 3,
further comprising:

a first connection terminal provided on the chassis of the image forming apparatus;
and

a second connection terminal that is electrically connected to said second power
supply, said second connection terminal being connectable to said first connection terminal.

Claim 26 (Previously Presented): The image forming apparatus as claimed in claim 25,
wherein
said first connection terminal and said second connection terminal are detachable.

Claim 27 (Previously Presented): The image forming apparatus as claimed in claim 3,
wherein
said secondary power supply further comprises:
a capacitor; and
a discharging unit that discharges a charge stored in said capacitor when said secondary power supply is being maintained or replaced.

Claim 28 (Previously Presented): The image forming apparatus as claimed in claim 3,
wherein
said secondary power supply further comprises:
a capacitor of a high capacity; and
a switch unit that switches on and off a ventilation unit for generating air flow in and around said secondary power supply.

Claim 29 (Previously Presented): The image forming apparatus as claimed in claim 3,
wherein
a wire of 14 or more in AWG size is used for connecting said secondary power supply and the heaters.

Claim 30 (Previously Presented): The image forming apparatus as claimed in claim 3,
wherein

said secondary power supply further comprises a cooling unit that cools an interior of
said secondary power supply.

Claim 31 (Previously Presented): The image forming apparatus as claimed in claim 2,
further comprising:

a discharging unit that discharges a charge stored in the secondary power supply when
said secondary power supply is being maintained or replaced.

Claim 32 (Previously Presented): The image forming apparatus as claimed in claim 2,
further comprising:

a switch unit that switches on and off electrical connection between said secondary
power supply unit and a ventilation unit for generating air flow in and around said secondary
power supply.

Claim 33 (Previously Presented): The image forming apparatus as claimed in claim 2,
further comprising:

a cooling unit that cools an interior of said secondary power supply.